

**I CLAIM:**

1. A light system for a swimming pool having a stair assembly, and a pump for circulating water in the swimming pool the system comprising:
  - a motion detector situated proximate said stair assembly;
  - a light mounted proximate said stair assembly;
  - a generator arranged to generate electricity from said circulating water;the arrangement being such that when said motion detector detects motion, said light is activated for a predetermined period of time.
2. The system of Claim 1 wherein said stair assembly includes risers and treads, said light being incorporated in one of said risers.
3. The system of Claim 2 wherein said stair assembly includes a pair of safety rails on either side thereof, said motion detector emitting a beam between said safety rails such that when a person passes between said rails, said motion detector is activated.
4. The system of Claim 1 wherein said generator includes a turbine wheel.
5. The system of Claim 4 wherein said turbine wheel is mounted so as to be powered from water flow through a hose associated with said pump.
6. The system of Claim 1 wherein said generator is arranged to generate electricity below about 24 volts.